

Figure 15. Nucleotide Sequence for CG106318-01.

>CG106318-01 4810 nt

GTCCATGGGGCGATGTATGGGAGATGAATGTGGTCCCGGAGGCATCCAAACGAGGGCTG
 TGTGGTGTGCTCATGTGGAGGGATGGACTACACTGCATACTAAGTGTAAAGCAGGCCGAGA
 GACCCAATAACCAGCAGAATTGTTCAAAGTTGCGATGGCACAAGAGTTGTACGACT
 GGAGACTGGGACCTTGAATCAGTGTCAAGCCGTGATTCAAAGAGCTAGAGAAACCTC
 TTGAGTGCATTAAGGGGAAGAAGGTATTCAAGGTGAGGGAGATAGCGTGCATCCAGAAAAG
 ACAAAAGACATTCTGCGGAGGATATCATCTGTGAGTACTTGTGAGCCAAGCCTCTCCTGG
 AGCAGGGCTGCCTCATCTTGCAGCAAGATTGATCGTGTCTGAATTCTGCGCTGGT
 CCGAATGCTCCAAGACCTCGCGCAGCGGCTCCAGCACCGGACCGTGTATGTGGTGGCGC
 CCCCGCAGTTCGGAGGCTCTGGCTGTCCAAACCTGACGGAGTTCAAGGTGTGCCAATCCA
 GTCCATGCGAGGCCGAGGAGCTCAGGTACAGCCTGCATGTGGGCCCTGGAGCACCTGCT
 CAATGCCCACTCCGACAAGTAAGACAAGCAAGGAGACGCCGGAAAGAATAAGAACCGG
 AAAACGACCCGAGCAAAAGGAGTAAAGGATCCAGAAGCCCGCAGCTTATTAAAGAAAAAGA
 GAAACAGAAACAGGCAGAACAGAACAGAGAACAAATTGGGACATCCAGATTGGATATC
 AGACCAAGAGAGGTTATGTGCATTAACAAGACGGGAAAGCTGTGTATTTAACGTTTGCC
 AGCAAGAGAAAGCTTCAATGACCTTCAGTCTGTGATCACCAAGAGTGCCAGGTTT
 CCGAGTGGTCAGAGTGGAGCCCTGCTCAAAACATGCCATGACATGGTGTCCCTGCAAG
 GCACCTGTAAGGACACCAATCAGGAGTGGAGTTCATTGGCAGTGGAGATGTGTC
 CAGAATTGAGAAAAAGAACCTGTGTCAGGAGATGGAGTTGTGCCCCGTGCCA
 CGTATGGCTGGAGAACTACAGAGTGGACTGAGTGGCTGTGGACCCCTTGCTCAGTCAGC
 AGGACAAGAGGCCGCGCAACCAGACGCCCTCTGTGGAGGGGAGATCCAGACCCGAGAGG
 TGTACTGCGTGCAGGCCAACGAAAACCTCTCCTCACATTAAAGTACCCACAAGAACAAAG
 AAGCCTCAAAGCCAATGGACTTAAATATGACTGGACCTATCCCTAAACTACACAGC
 TGTGCCACATTCTTGTCCAACCTGATGAAAGTTCACCTTGTGTCAGCTGGGACCTT
 GTACTTATGAAAACCTGTAATGATCAGCAAGGGAAAAAGGCTTAAACTGAGGAAGCGGC
 GCATTACCAATGAGCCCACTGGAGGCTCTGGGTAACCGGAAACTGCCCTACTTACTGG
 AAGCCATTCCCTGTGAAGAGCCCTGGCTTATGACTGGAAAGCGGTGAGACTGGGAGACT
 GCGAGGCCAGATAACGGAAAGGAGTGTGGTCAGGACAGCAAGTCAAGAGGGTTGTGCA
 TCAACAGTGATGGAGAAGAGTTCAGACAGACAGCTGTGCAAGAGATGCCATTTCCCATCC
 CTGTGGCTGTGATGCCCATGCCGAAAGACTGTGTGTCAGCACATGGTACGTGGT
 CCTCCTGTCACACACCTGTCAGGGAAAACGACAGAACAGAACAGATACGAGCACGAT
 CCATTCTGGCCTATGGGGTGAAGAAGGTTGAATTCTGCTGCCAAATAGCAGTGTG
 AAGAAGTCAAGCCTGTAATGAGCATCTTGTGCAAGCTGACTGGACATCATGCC
 GGGGCCAGTCATTGAGGACACCTCAGTATCGTCTTCAACAAACTACGACTTGGAAATG
 GGGAGGCCCTCTGCTGTGCGCATGCAGACAAGAAAAGTCATCTGTGCGAGTCATG
 TGGGCAAGTGGGACCCAAAAATGCTGTAAGGCTTGTGACCTGAAACTGTAAGGCC
 GTCTGCTCTTGTGTAAGAAGGACTGTATTGTGACCCCATATACTGACTGGACATCATGCC
 CCTCTTGTGTAAGAAGGGGACTTGTGACTTGTGACAGTCAAGGAGCAGTCTAGGCATGGGT
 TTCAGCTGCCAGCCACGGGGGCCGAGACTGCACAGATCCCTCTATGAAGAGAACGGCT
 GTGAGGCACCTCAAGCGTGCACAAAGCTACAGGTGGAAAGACTCACAAATGGCGCAGATGCC
 AATTAGTCCCTGGAGCGTGCACAAGACAGCCCTGGAGCACAGGAAGGCTGTGGCCTG
 GCGCACAGGCAAGAGGCCATTACTGTGCGCAAGAAGATGGAGGACAGGCTGGAATCCATG
 AGTGCCTACAGTATGCAAGGCTCTGGCTCAAGTGTGTTCTCATGCAATGGAGACTGTGGT
 AGGATGACTGTCAATTGACCAAGCTGGTCAAGTGTGTTCTCATGCAATGGAGACTGTGGT
 CAGTTAGGACCAGAAAGCGCACTTGTGGAAAAAGTAAAAGAAGGAAAATGAAAA
 ATTCCCATTGTATCCCTGATTGAGACTCAGTATTGTCTGTGACAATATAATGCAAC
 AACCTGTGGGAAACTGGTCAAGTGTATTGTGACCCCTGACACTGCAAGCTCAGTGAGTGGCT
 GAATGAAAGTACAAGGAGACATCAAGGAATGCGGACAAGGATATGTTACCAAGCAATGG
 CATGCTACGATCAAATGGCAGGCTTGTGAAACATCTAGATGTAACAGCCATGGTTACA
 TTGAGGAGGCCCTGCATCATCCCCCTGCCCTCAGACTGCAAGCTCAGTGAGTGGCTCAACT
 GGTGCGCTGCAGCAAGTCTGTGGAGTGGTGTGAAGGCTGTCTAAATGGCTGCC
 AAAAACATATAATGGAGGAAGGCCCTGGCCCAAACCTGGACATGCAACCCAGGCC
 TGTATGGGTTGTCCCATGCCACAGTGCAGTCAACCGACTACCTATGGGT
 GGAGCATCTGCAAGGTGACCTTGTGAATATGCGGGAGAACTGTGGAGAGGGCTGCAAA
 CCCGAAAAGTGGAGATGCATGCAGAACAGCACGATGCCCTCTGAACATGTAGAGGATT
 ACCTCTGTGACCCAGAAAGAGATGCCCTGGGCTCTAGAGTGTGCAAATTACCATGCC
 AGGACTGTGTGATATCTGAATGGGCTCATGGACCCAACTGTGTTTGTG
 GCAGTTCCGGCAAAGGTGAGCTGATCCCATGAGAACACAGCTGATGAAGGAAGATCTT
 GCCCTAATGCTGTTGAGAAAAGAACCTGTAACCTGAACAAAATGCTTACCAACTATGATT
 ATAATGTAACAGACTGGAGTACATGTCAGCTGAGTGAGAAGGAGCTTGTG
 TAAAACAAAGGATGTTGGATTGTGTTGAGAAGAACGGCAGATGACCTGAAATATT
 GTGAAGCGCTGGCTTGGAGAAGAACGGCAGATGAAACACGTCCTGCATGGTGAATGCC

CTGTGAACGTGTCAGCTTCTGATTGGTCTCCTGGTCAGAACATGTTCTCAAACATGTGGCC
 TCACAGGAAAATGATCGAAGACGAACAGTGACCCAGCCCTTCAGGTGATGGAAGAC
 CATGCCCTCCCTGATGGACCAGTCAAACCCCTGCCAGTGAAGCCTGTTATCGGTGGC
 AATATGGCCAGTGGTCTCCATGCCAAGTGCAGGAGGCCAGTGTGGAGAAGGGACCAGAA
 CAAGGAACATTTCTTGTGACTAAGTGTGGTCAGCTGATGATTTAGCTGAAAGTGGTGG
 ATGAGGAATTCTGTGCTGACATTGAACTCATTATAGATGGTAATAAAAATATGGTCTGG
 AGGAATCCTGAGCCAGCCTGCCAGGTGACTGTTATTGAAGGACTGGTCTCCTGGA
 GCCTGTGTCAGCTGACCTGTGTAATGGTAGGATCTAGGCTTGGTGGAAACAGGTCA
 GATCCAGACCGGTGATTATAAGAAACTAGAGAACATCAGCATCTGTGCCCAGAGCAGATGT
 TAGAAACAAAATCATGTTATGATGGACAGTGTGCTATGAATATAATGGATGGCCAGTGCTT
 GGAAGGGCTCTTCCCAGTGTGGTCAAAGGTGACATGGTATAATGTAACAGGGG
 GCTGCTTGGTGTAGGACAGCCTGATGCCAGGGCTTGTAAACCACCGTGTAGTCAAC
 CCCACTCGTACTGTAGCGAGACAAAAACATGCCATTGTGAAAGAAGGGTACACTGAAGTCA
 TGTCTTCTAACAGCACCCCTGAGCAATGCAACTTATCCCCGTGGTGGTATTACCCACCA
 TGGAGGACAAAAGAGGAGATGTGAAACAGTCGGGCTGTACATCCAACCCCAACCCCTCCA
 GTAACCCAGCAGGACGGGAGGAGACCTGGTTCTACAGCATTGGGCCAGATGGGAGAC
 TAAAGACCTGGGTTACGGTGTAGCAGCTGGGCACTTGTGTTACTCATTTATTGTCT
 CCATGATTATCTAGCTGCAAAAAGCAAAGAAACCCAAAGAAGGCAAACAAACCGAC
 TGAAACCTTAACCTAGCCTATGATGGAGATGCCGACATGTAACATATAACTTTCTG
 GCAACAACCA (SEQ ID NO: 40)

Protein Sequence for CG106318-01 ORF Start: 18 ORF Stop: 4782 Frame: 3

Protein Sequence:

>CG106318-01-prot 1588 aa
 MGDECAGGGIQTAAVWCAHVGWTTLHTNCKQAERPNQQNCFKVCDWHKELYDWRLGPW
 NQCQPVISLKSLEKPLECIGEEGIQVREIACIQDKDIPADEIIEYFEPKPLLEQACLI
 PCQQDCIVSEFSAWSECSKTCGSSLQHTRRHVAPPQFGSGCPNLTEFQVCQSSPCEAE
 ELRYSLHVGPWSTCSMPHSRQVRQARRRGKNKEREKDRSKGVKDPEARELIKKNRNRQ
 NRQENKYWDIQIGYQTREMCINKTGAADLSFCQQEKLPMTFQSCVITKECQVSEWSEW
 SPCSKTCHDMVSPAGTRVRTRTIRQFPIGSEKECPEEEKEPCLSQGDGVVPCATYGWRT
 TEWTECRVDPLLSQDKRGNQTAALCGGGIQTREVYCVQANENLLSQLSTHKNEASKPM
 DLKLCTGIPPTTQLCHIPCTECEVSPWSAWGPCTYENCNDQQGKKGFLRKRRITNEP
 TGGSGVTGNCPHLLAIPCEEPACYDWKAVRLGDCEPDNGKECPGTQVQEVCINSDGE
 EVDRQLCRDAIFPIPACDAPCPKDCVLSTWSTWSSCSHTCSGKTTGKQIRARSILAYA
 GEEGGIRCPNNSALQEVRSRNEHPCTVYHWQTGPWGQCIEDTSVSSFTTWNGEASC
 VGMQTRKVICVRVNVGQVGPKKCPESLRPETVRPCLLPCKDCIVTPYSDWTSCPSSCKE
 GDSSIRKQSRHRVIIQLPANGGRDCTDPLYEEKACEAPQACQSYRWKTHKWRRCQLPWS
 VQQDSPGAQEGCGPGRQARAITCRKQDGQQAGIHECLQYAGPVPALTQACQIPCQDDCQL
 TSWSKFSSCNGDCGAVRTRKRTLVGSKKKKEKCKNSHLYPLIETQYCPCDKYNQAPVGNW
 SDCILPEKVEVLLGMVKVQGDIKECGQGYRYQAMACYDQNGRLVETSRCNSHGYIEACI
 IPCPSDCKLSEWSNWSRCSKSCGSGVKVRSKWLREKPYNGGRPCPKLHDHVNQAQVYEVVP
 CHSDCNQYLWVTEPWSICKVTFVNMRNCENCGEGVQTRKVRCMQNTADGPSEHVEDYLCDPE
 EMPLGSRVCKLPCPEDCVISEWPWTQCV/LPCNQSSFRQRSADPIRQPADEGRSCPNAVE
 KEPCNLNKCYHYDYNVTDWSTCOLSEKAFCGNGIKTRMLDCVRSDGKSVDLKYCEALGL
 EKNWQMNNTSCMVECPVNCQLSDWSPWSECSQTCGLTGKMRIRRTVTQPFQGDGRPCPSLM
 DQSKPCPVKPCYRWQYQGQWSPCQVQEACQCGEGTRTRNISCVVSDGSADDFSKVVDEEFCA
 DIELIIDGNKNMVLEESCSQPCPGDCYLKDWWSSWSLCQLTCVNGEDLGFGGIQVRSRPVI
 IQELENQHLCPEQMLETKSCYDGQCYEYKWMASAWKGSRTVWCQRSDGINVGGCLVMS
 QPDADRCNPPCSQPHSYCSETKTCHEEGYTEVMSSNSTLEQCTLIPVVLPTMEDKRG
 DVKTSRAVHPTQPSSNPAGRGRTWFLQPFGPDRKLTVVYGAAGAFVLLIFIVSMIYLA
 CKKPKKPQRRQNNRLKPLTLAYDGDADM (SEQ ID NO: 41)

Figure 16. Nucleotide and Protein Sequences for CG50817-04.

>CG50817-04 1447 nt

CGGGACACCAGTGATGCTCCTGGGACCCCTACGCAATCTGCGCCTGCGTCTCATCAGTCGC
 CCCACATGTAACGTATCTACAAACCAGCTGCACCAGCGACACCTGTCCAACCCGGCCCGG
 CCTGGGATGCTATGTGGGGCCCCCAGCCTGGGTGCAGGGCCCTGTCAAGGTCTGATAG
 GGAGAAGAGAAGGAGCAGAAGGGAGGGCCTAACCTGGCTGGGGTTGGACTCACAG
 GACTGGGGAAAGAGCTGCAATCAGAGGGTGTCTGCCATAGCTGGCTCAGGCATCTGTC
 CTTGGCTTGTGCTGGCTCCAGGGAGATCCGGGGCCCTGTGCTGTGCTCGAGCCT
 GACGGACACTGGGTCAGGCTGGCATCATCAGCTTGCACTCAAGCTGTGCCAGGAGGAC
 GCTCCTGTGCTGCTGACCAACACAGCTGCTCACAGTCCCTGGCTGAGGCTGAGTTCA
 GGGCAGCTTCTGGCCAGAGCCCAGAGACCCGGAGATGAGTGTGAGGACAGCTGT
 GTAGCCTGTGGATCCTTGAGGACAGCAGGTCAGGAGCAGGAGCACCCCTCCCATGGCC
 TGGGAGGCCAGGCTATGCACTGCTGCCACTGCTTCACTGGGCCAGGCCCCAGAGGAATGGAGC
 GAGGCCTGCTAATGCTGCCACTGCTTCACTGGGCCAGGCCCCAGAGGAATGGAGC
 GTAGGGCTGGGACCAACCGGAGGAGTGGGCCTGAAGCAGCTCATCCTGCATGGAGCC
 TACACCCACCCCTGAGGGGGCTACGACATGGCCCTCTGCTGCTGCCAGCCTGTGACA
 CTGGGAGGCCAGCCTGCGGCCCTCTGCCCTATGCTGACCAACCTGCCATGG
 GAGCGTGGCTGGGTTCTGGGACGGCCCGCCAGGAGCAGGACAGCAGCTCCCTCCAGACA
 GTGCCCGTGACCCCTCTGGGCCTAGGGCTGCAGCCGGCTGCATGCAAGCTCTGGGG
 GATGGCAGCCCTATTCTGCCGGGATGGTGTACCAAGTGTGCTGTGGGTGAGCTGCCAGC
 TGTGAGGCCAACCAACAGCTGCTGACAGGGACCTGCCATTCTCAGGAACAAGAGAAT
 GCAGGCAGGCAAATGGCATTACTGCCCTGCTCCTCCCCACCCCTGTCATGTTGATTCCAG
 GCACCAGGGCAGGCCAGAAGCCCAGCAGCTGTGGGAAGGAACCTGCCCTGGGCCACAGG
 TGCCCACCTCCCCACCCCTGCAAGGACAGGGGTGTCTGTGGACACTCCCACACCCAACTTGC
 TACCAAGCAGGCCTCAGCTTCCCTCCTTACCCCTTCAGATAACATCACGCCAGC
 CACGTTTTGAAAATTCTTTGGGGCAGCAGTTCTTTAAACTTAA
 ATAAATT (SEQ ID NO:42)

Protein Sequence for CG50817-04 ORF Start: 520 ORF Stop: 1192 Frame: 1

Protein Sequence:

>CG50817-04-prot 224 aa

MSDEDSCVACGSLRTAGPQAGAPSPWPWEARLMHQGQLACGGALVSEEAVLAAHCFIGR
 QAPEEWSVGLGTRPEEWGLKQLILHGAYTHPEGGYDMALLLAQPVTLGASLRPLCLPYA
 DHHLPDGERGWVLGRARPGAGISSLQTVPTLLGPRACSLRHAAPGGDGSPILPGMVCTS
 AVGELPSCEANQPAADRGPGHSQEKENAGRQMALLPLSSPPCHV (SEQ ID NO:43)

Figure 17. Nucleotide and Protein Sequences for CG50817-05.

Nucleotide sequence encoding the Peptidase-like protein of the invention.

>CG50817-05

CGCTGGGCCTCTGTCTGATGCTGCTGAGCTCCCTGGTGTCTCGCTGGTTCTGTCTAC	60
CTGGCCTGGATCTGTTCTCGTGTCTATGATTCTGCATTGTTGTATCACCAACCTAT	120
GCTATCAACGTGAGCCTGATGTGGCTCAGTTCCGGAAGGTCCAAGAACCCAGGGCAA	180

CCCAAGCCTCAGGAGGGCAACACAGTCCCTGGCGAGTGGCCCTGGCAGGCCAGTGTGAGG 240
 AGGCAAGGAGCCCACATCTGCAGCGGCTCCCTGGTGGCAGACACCTGGGTCTCACTGCT 300
 GCCCACTGCTTGAAAGGAGCAGCAACAGAACTGAATTCTGCGTGAGGGACTCAGCC 360
 CCTGGGGCGAAGAGGTGGGGTGGCTGCCCTGCAGTTGCCAGGGCTATAACCACTAC 420
 AGCCAGGGCTCAGACCTGGCCCTGCTGCAGCTGCCACCCACGACCCACACACCCCTC 480
 TGCCCTGCCAGGCCATCGCTTCCCCTGGAGCCTCTGCTGGGCCTGGCTGG 540
 GATCAGGACACCAGTGTACCTGGACCCCTACGCAATCTGCCTGCGTCTCATCAGT 600
 CGCCCCACATGTAACGTATCACAACCAAGCTGCCACCGACACCTGCTCAACCCGGCC 660
 CGGCTGGGATGCTATGTGGGGCCCCCAGCCTGGGTGAGGGCCCTGTCAGGGAGAT 720
 TCCGGGGGCCCTGTGCTGTGCTCGAGCCTGACGGACACTGGGTTAGGCTGGCATCATC 780
 AGCTTGATCAAGCTGTGCCAGGAGGACGCTCTGTGCTGACCAACACAGCTGCT 840
 CACAGTTCCCTGGCTGCAGGCTCGAGTTAGGGGAGCAGTTCTGGCCAGAGCCCAGAG 900
 ACCCCGGAGATGAGTGTAGGACAGCTGTGTAGCCTGTGGATCCTGAGGACAGCAGGT 960
 CCCCAGGCAGGAGCACCCCTCCCCATGGCCCTGGGAGGCCAGGCTGATGCACCAAGGGACAG 1020
 CTGGCCTGTGGCGGAGCCCTGGTGTAGAGGAGGCGGTGCTAAGTGTGCCCCACTGCTTC 1080
 ATTGGGCAGGCCAGGCCAGAGGAATGGAGCGTAGGGCTGGGACCCAGACGGAGGTGG 1140
 GGCCTGAAGCAGCTCATCCTGCATGGAGCTACACCCACCCCTGAGGGGGCTACGACATG 1200
 GCCCTCTGCTGTGGCCAGCCTGTGACACTGGAGGCCAGCCTGCGCCCTCTGCGCTG 1260
 CCCTATGCTGACCAACACCTGCCTGATGGGAGCGTGGCTGGTTCTGGACGGGCCGC 1320
 CCAGGAGCAGGCATCAGCTCCCTCCAGACAGTGCCTGACCCCTCTGGGGCTAGGGCC 1380
 TGCAAGGGCTGCATGCAGCTCTGGGGTGTGGCAGCCATTCTGCCGGGATGGTG 1440
 TGTACCAAGTGTGTGGGTGAGCTGCCAGCTGTGAGGCCAACCAACCAGCTGCTGACAGG 1500
 GGACCTGGCATTCTCAGGAACAAGAGAATGCAGGCAGGAAATGGCATTACTGCCCTG 1560
 TCCTCCCCACCCCTGTATGTGATTCAGGC 1592
 (SEQ ID NO:44)

Protein sequence encoded by the coding sequence shown above.

>CG50817-05
 MLLSSVLVSLAGSVYLAWLFFVLYDFCIVCITYAINVSLMWLSFRKVQEPOQQPQPKPQEG 60
 NTVGEWPWQASVRRQGAHICSGSLVADTVLTAACFCFKEAAATELNSVRDSAPGAEEV 120
 GVAALQLPRAYNHYSQGSDLALLQLAHPHTHPLCLPQPAHRFPFGASCWATGWDQDTSD 180
 APGTLRNLRLRLISRPTCNCIYNQLHQRHLSNPARPGMLCGGPQPGVQGPCQGDSSGPVL 240
 CLEPDGHWVQAGIISFASSCAQEDAPVLLNTAAHSSWLQARVQGAFLAQSPETPEMSD 300
 EDSCVACGSLRTAGPQAGAPSPWPWEARLMHQQLACGGALVSEEAVLAAHCFIGRQAP 360
 EEWVGLGTRPEEWGLKQLILHGAYTHEPEGGYDMALLLLAQPVTLGASLRPLCLPYADHH 420
 LPDGERGWVLGRARPGAGISSLQTVPTLLGPRACSRLHAAPGGDGSPILPGMVCTSAVG 480
 ELPSCEANQPAADRGPGHSQEENAGRQMALLPLSSPPCHV 521
 (SEQ ID NO:45)

Figure 18. Nucleotide and Protein Sequences for CG50817-06.

Nucleotide sequence encoding the Peptidase-like protein of the invention.

>CG50817-06
 AGCGACACCTGTCCAACCCGGCCCTGGGATGCTATGTGGGGCCCCCAGCCTGGGG 60
 TGCAGGGCCCCCTGTCAAGGAGATTCCGGGGCCCTGTGCTGTGCCCTGAGCCTGACGGAC 120
 ACTGGGTTCAAGCTGGCATCATCAGCTTGCACTAAGCTGCCCAGGAGGACGCTCTG 180
 TGCTGCTGACCAACACAGCTGCTCACAGTCTGGCTGCAGGCTCAGTTAGGGCAG 240
 CTTCCTGGCCAGAGCCCAGAGACCCGGAGATGAGTGTAGGAGCAGCTGTAGCCT 300
 GTGGATCCTGAGGAACAGCAGGTCCCCAGGCAGGAGCACCCCTCCCATGGCCCTGGGAGG 360
 CCAGGCTGATGCAACAGGACAGCTGGCTGTGGCGGAGCCCTGGTGTAGAGGAGGGCGG 420
 TGCTAACTGCTGCCACTGCTTCACTGGGCGCCAGGCCCCAGAGGAATGGAGCGTAGGGC 480
 TGGGGACAGACCGGAGGAGTGGGCTGAAGCAGCTCATCTGCATGGAGCCTACACCC 540
 ACCCTGAGGGGGCTACGACATGGCCCTCTGCTGTGAGCCCTGTGACACTGGGAG 600
 CCAGCCTGCCGCCCTCTGCCCTGCCCTATGCTGACCCACCTGCCCTGATGGGGAGCGTG 660
 GCTGGGTTCTGGGACGGGCCAGGAGCAGGCATCAGCTCCCTCCAGACAGTGCCTG 720
 TGACCCCTCTGGGGCTAGGGCTGCAGCCGGTGCATGCGAGCTCTGGGGTGTGGCA 780
 GCCCTATTCTGCCGGGGATGGTGTACCAAGTGTGCTGTGGGTGAGCTGCCAGCTGTGAGG 840
 CCAACCAACCAGCTGCTGACAGGGGACCTGCCATTCTCAGGAACAAGAGAATGCAGGCA 900
 GGAAATGGCATTACTGCCCTGTCCCTCCCCACCCCTGTATGTGATTCAGGCACCAG 960

GGCAGGCCAGAACCCAGCAGCTGGGAAGGAACCTGCCTGGGCCACAGGTGCCAC 1020
TCCCCACCCCTGCAGGACAGGGGTGCTGTGGACACTCCCACACCAACTGCTACCAAG 1080
CAGGCGTCTCAGCTTCCCTCCTTACCCCTTCAGATACAATACGCCAGCCACGTG 1140
TTTGAAAATTCTTTGGGGGCAGCAGTTTCTTTAACTTAAATAATT 1200
(SEQ ID NO:46)

Protein sequence encoded by the coding sequence shown above.

>CG50817-06
MLCGGPQPGVQGPCQGDGGPVLCLEPDGHWVQAGIISFASSCAQEDAPVLLNTAAHSS 60
WLQARVQGAFLAQSPETPEMSDEDSCVACGSLRTAGPQAGAPSPWPWEARLMHQQLAC 120
GGALVSEEAVLAAHCFIGRQAPEEWSVGLGTRPEEWGLKQLILHGAYTHPEGGYDMALL 180
LLAQPVTLGASLRPLCLPYADHHLPDGERGWVLGRARPGAGISSLQTVPTLLGPRACSR 240
LHAAPGGDGSPILPGMVCTSAVGEPSCEANQPAADRGPGHSQEKENAGRQMALLPLSSP 300
PCHV 304
(SEQ ID NO:47)

Figure 19. Nucleotide and Protein Sequences For CG51099-03.

Nucleotide sequence encoding the Serine Protease-like protein of the invention.

>CG51099-03
CGGAGAGACGCCAGTCGGCTGCCACCCCGGGATGGGTCGCTGGTGCAGACCGTCGCGCGC 60
GGGCAGCGCCCCCGGACGTCGCCCCCTCCCGCCGGTGCCTGCTGCTGCTTCTG 120
TTGCTGAGGTCTGCAGGTGCTGGGCCAGGGAAAGCCCCGGGGCGCTGTCCACTGCT 180
GATCCCAGCCGACCAGAGCGTCCAGTGTCCCCAAGGCCACCTGCTCCTCCAGCCGGCT 240
CGCCTTCTCTGGCAGACCCGACCACCCAGACACTGCCCTGACCACATGGAGACCAA 300
TTCCCAGTTCTGAAGGCAAAGTCGACCCATACCGCTCCTGTGGCTTTCTACGAGCAG 360
GACCCCACCCCTCAGGGACCCAGAACAGCCGGCTCGCCCTGGGCTGGGCTGGATGGTCAGCGTG 420
CGGGCAATGGCACACACATCTGTGCGGCCACCATCATTGCCCTCCAGTGGTGCTGACT 480
GTGGCCCACTGCTGATCTGGCGTGTATTTACTCAGTGTGGGTGGGAGTCCGTGG 540
ATTGACCATGACGCGACCCCTCCGATGTCCCCGGTGTCCAGGTGATCATGACATAGC 600
AGGTACCGGGCCAGCGGTTCTGGTCTGGGTGGGCCAGGCCAACGACATCGGCCTCC 660
AAGCTCAAGCAGGAACACTCAAGTACAGCAATTACGTGCGGCCATCTGCCTGCCTGGCACG 720
GACTATGTGTTGAAGGACCATCCCGCTGCACTGTGACGGCTGGGACTTCAAGGCT 780
GACGGCATGTGGCCTCAGTCCGGACCATTCAGGAGAAGGAAGTCATCATCCTGAACAAAC 840
AAAGAGTGTGACAATTCTACCAACCTCACCAAAATCCCCACTCTGGTTCAGATCATC 900
AAAGTCCAGATGATGTGCGGAGGACACCCACAGGGAGAAGTCTGCTATGAGCTAACT 960
GGAGAGCCCTTGGTCTGCTCCATGGAGGGCACGTGGTACCTGGTGGGATTGGTGAGCTGG 1020
GGTGCAGGCTGCCAGAAGAGCGAGGCCACCCATCTACCTACAGGTCTCCCTACCAA 1080
CACTGGATCTGGACTGCCCTCAACGGGCAGGCCCTGGCCCTGCCAGCCCCATCCAGGACC 1140
CTGCTCTGGCACTCCACTGCCCTCAGCCTCCTGCTGCCCTCTGACTCTGTGCCCC 1200
TCCCTCACTTGTGA 1214
(SEQ ID NO:48)

Protein sequence encoded by the nucleotide sequence shown above.

>CG51099-03
MGRWCQTVARGQRPRTSAPSRAVALLLRLSAGCWGAGEAPGALSTADPADQSVQCV 60
PKATCPSSRPRLLWQTPTTQTPSTTMETQFPVSEGKVDPYRSCGFSYEQDPTLRDPEAV 120
ARRWPWMVSRANGTHICAGTIIASQWVLTVAHCLIWRDVIYSVRVGSWVQIDQMTQTASD 180
VPVLQVIMHSRYRAQRFWSSVQANDIGLLKLKQELKSNYVRPICLPGTDYVLKDHSRC 240
TVTGWLGSKADGMWPQFRTIQEKEVIIILNNKECDNFYHNFTKIPTLVQIJKSQMMCAEDT 300

HREKFCYELTGEPLVCSMEGTWYLVGLVSWGAGCQKSEAPPIYLQVSSYQHWIWDCLNGQ 360
 ALALPAPSRTLLALPLPLSLLAAL 385 (SEQ ID NO:49)

Figure 20. Nucleotide and Protein Sequences For CG57051-04.

Nucleotide sequence encoding the Angiopoietin-like protein, CG57051-04.

```
>CG57051-04
TGGGATCCTCACAGACTGTGATCCGATTCTTCCAGCGCTCTGCAACCAAGCGGGT 60
CTTACCCCCGGTCTCCCGCTTCCAGTCCTCGCACCTGGAAACCCCAACGTCCCCGAGAG 120
TCCCCGAAATCCCCGCTCCAGGCTACCTAACGAGGATGAGCGGTGCTCGACGGCCGGGGC 180
AGCCCTGATGCTCTGCGCCGCCACCGCCGTCTACTGAGCGCTAGATCTGGACCCGTGCA 240
GTCCAAGTCGCCCGCTTGCCTGGGACGAGATGAATGTCCTGGCGCACGGACTCCT 300
GCAGCTCGGCCAGGGGCTCGCGAACACGCGGAGCGCACCCGCACTCAGCTGAGCGCGCT 360
GGAGCGGCGCCTGAGCGCGTGCAGGGTCCGCTGTCAAGGGAACCGAGGGTCCACCGACCT 420
CCCGTTAGCCCCCTGAGAGCCGGGTGACCCCTGAGGTCTTCACAGCCTGCAGACACA 480
CAAGGCTCAGAACAGCAGGATCCAGCACTCTTCACAAAGGTGGCCCAGCAGCAGCGGCA 540
CCTGGAGAACGAGCACCTGCGAATTCAAGCATCTGCAAAGCCAGTTGGCCTCTGGACCA 600
CAAGCACCTAGACCATGAGGTGGCCAAGCCTGGCCAGAAAGAGGGCTGGCCAGATGGC 660
CCAGCCAGTTGACCCGGCTCACAAATGTCAGCCGCTGCACCGAGGGCTGGTGGTTGGCAC 720
CTGCAGCCATTCCAACCTCAACGGCCAGTACTTCCGCTCCATCCCACAGCAGCGGAGAA 780
GCTTAAGAAGGGAAATCTTCTGGAAGACCTGGCGGGCCGCTACTACCCGCTGAGGCCAC 840
CACCATGTTGATCAGCCATGGCAGCAGAGGCAGCCTCTAGCGTCTGGCTGGCCTG 900
GTCAGGCCACGAAAGACGGTGA CTTGGCTCTG 937 (SEQ ID NO:50)
```

Protein sequence encoded by the nucleotide sequence shown above.

```
>CG57051-04
MSGAPTAGAALMLCAATAVLLSARSGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE 60
RTRSQLSALERLSACGSACQGTEGSTDPLAPESRVDPEVLHSLQTQLKAQNSRIQLF 120
HKVAQQQRHLEKQHLRIQHLQSQFGLLDHKHLDHEVAKPARRKRLPEMAQPVDPAHNVSR 180
LHRGWWFGTCSHSNLNGQYFRSIPQQRQKLKGIFWKTWRGRYYPLQATTMLIQPMAAEA 240
AS 242 (SEQ ID NO:51)
```

Figure 21. Nucleotide and Protein Sequences For CG57051-05.

Nucleotide sequence encoding the Angiopoietin-like protein, CG57051-05.

```
>CG57051-05
CTTCGTCCTCCAGTCCTCGCACCTGGAAACCCAAACGTCCCCGAGAGTCCCCGAATCCCCGC 60
TCCCAAGGCTACCTAACGAGGATGAGCGCGCTCCGACGGCGGGGAGCCCTGATGCTCTG 120
CGCCGCCACCGCCGTCTACTGAGCGCTCAGGGCGGACCCGTGCACTCCAAGTCGCCGCG 180
CTTTCGCTCTGGGACGAGATGAATGTCCTGGCGCACGGACTCCTGCAGCTCGGCCAGGG 240
GCTGCAGAACACGGGAGCGCACCCGCACTCAGCTGAGCGCGTGGAGCGGCCCTGAG 300
CGCGTGCAGGGTCCGCTGTCAGGGAACCGAGGGTCCACCGACCTCCGTTAGCCCTGAG 360
GAGCCGGGGTGGACCCCTGAGGTCTTCACAGCCTGCAAGCACACAATCAGGCTCAGAACAG 420
CAGGATCAGCAACTCTTCCACAAAGGTGGCCAGCAGCAGCGGCCCTGGAGAACAGCAGCA 480
CCTGCAGAATTTCAGCATCTGCAAAGCCAGTTGGCCTCTGGACCCACAAGCACCTAGACCA 540
TGAGGGTGGCAAGCCTGCCGAAGAAAGAGGCTGCCCAGATGGCCAGCCAGTTGACCC 600
GGCTCACAAATGTCAGCCGCTGCACCATGGAGGCTGGACAGTAATTTCAGAGGCGCCACGA 660
TGGCTCAGTGGACTTCACCGCCCTGGGAAGCCTACAAGGGGGTTGGGATCCCCA 720
CGGCAGGTTCTGGCTGGGCTGGAGAACGGTCAAGCATCATGGGGACCGCAACAGCCG 780
CCTGGCCGTGAGCTGGGACTGGATGGCAACGCCAGTTGCTGCAGTTCTCCGTGCA 840
CCTGGGTGGCGAGGACACGGCCTATAGCCTGCAGCTCACTGCACCCGTGGCCGCCAGCT 900
```

GGGCGCCACCACCGTCCCACCCAGCGGCCTCTCGTACCCCTCTCCACTTGGGACCAGGA	960
TCACGACCTCCGAGGGACAAGAACTCGGCCAAGAGCCTCTCTGGAGGCTGGTGGTTGG	1020
CACCTGCAGCCATTCCAACCTCAACGCCAGTACTTCCGCTCCATCCCACAGCAGCGCA	1080
GAAGCTTAAGAAGGAATCTCTGGAAGACCTGGCGGGCGCTACTACCCGCTGCAGGC	1140
CACCACCATGTTGATCCAGCCATGGCAGCAGAGGCAGGCCCTAGCGTCCGGCTGGC	1200
CTGGTCCCAGGCCACGAAAGAGGTGACTCTGGCTCTG 1239 (SEQ ID NO:52)	

Protein sequence for Angiopoietin-like protein, CG57051-05.

>CG57051_05	
MSGAPTAGAALMLCAATAVLLSAQGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE	60
RTRSQLSALERLRLSACGSACQGTEGSTDPLAPESRVDPEVLHSLQTQLKAQNSRIQQLF	120
HKVAQQQRHLEKQHLRIQHLQSQFGLLDHKLDHEGGKPARRKRLPEMAQPVDPAHNVSR	180
LHHGGWTVIQRHHGDSVDFNRPWEAYKAGFGDPHGEFWLGLEKVHSIMGDRNSRLAVQLR	240
DWDGNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPVPSGLSVPFSTWDQDHDLRRD	300
KNCAKSLSGGWWFGTCSHSNLNGQYFRSIPQQRQKLKKGIFWKTRWRGRYYPLQATTMLIQ	360
PMAAEAAS 368 (SEQ ID NO:53)	

Figure 22. Nucleotide and Protein Sequences For CG57051-02.

Nucleotide sequence encoding the Angiopoietin-like protein of the invention.

>CG57051_02	
TGCGGATCCTCACACGACTGTGATCCGATTCTTCCAGCGGCTTCTGCAACCAAGCGGGT	60
CTTACCCCCGGTCTCCCGCTCTCCAGTCCTCGCACCTGGAACCCCAACGTCCCCGAGAG	120
TCCCCGAATCCCCGCTCCAGGCTACCTAACGAGGATGAGCGGTGCTCCGACGGCCGGGC	180
AGCCCTGATGCTCTGCGCCACCGCGTGCTACTGAGCGCTAGATCTGGACCCGTGCA	240
GTCCAAGTCGCCGCGCTTGCGTCTGGACGAGATGAATGTCCTGGCGCACGGACTCCT	300
GCAGCTCGGCCAGGGCTCGCGCAACACGGAGCGCACCCGAGTCAGCTGAGCGCGCT	360
GGAGCGGCCGCTAGCGCGTCCGGCTGTCAAGGGACCGAGGGTCCACCGACCT	420
CCCGTTAGCCCCCTGAGAGCCGGGTGACCTGAGGTCTTCACAGCCTGAGACACAAC	480
CAACGGCTCAGAACAGCAGGATCAGCACCTTCCACAAAGGTGGCCACGGCAGCGGGCA	540
CCTGGAGAACGACCCACTCGCAATTCAAGCATCTGCAAAAGCCAGTTGGCTCTGGACCA	600
CAAGCACCTAGACCATGAGGTGCCAACCTGCCAGAAGAAAGAGGTGCCCAGATGGC	660
CCAGCCAGTTGACCCGGCTCACAAATGTCAGCCGCTGCACCATGGAGGTGGACAGTAAT	720
TCAGAGGGGCCACGATGGCTCAATGGACTTCAACCGCCCTGGGAAGCCTACAAGGGGG	780
GTTTGGGGATCCCCACGGCGAGTTCTGGCTGGTCTGGAGAAGGTGCATAGCATCACGGG	840
GGACCGCAACAGCGCCTGGCGTGCACTGGGACTGGGATGGCAACGCCAGTTGCT	900
GCAGTTCTCCGTGACCTGGGGCGAGGACACGCCCTATAGCCTGAGCTCACTGCACC	960
CGTGGCCGGCCACGGTGGCGACCCGCCACCGCTCCACCCAGCGGCCCTCCGTACCCCTCTC	1020
CACTTGGGACCAAGGATCACGACCTCCGACGGACAAGAAACTGCGCAAGAGCCTCTGC	1080
CCCCATGGCTCAAGACCTGACCATGTTCCCTCTCCCTGACCCGGCAGGAGGCTG	1140
GTGGTTTGGCACCTGCAAGCCATTCAACCTAACGGCAAGTACTTCCGCTCCATCCCACA	1200
GCAGCGGCAGAACGCTTAAGAAGGAATCTCTGGAAGACCTGGCGGGCCGCTACTACCC	1260
GCTGCAGGCCACCACCATGTTGATCCAGCCATGGCAGCAGAGGCAGCCCTCTAG 1315	
(SEQ ID NO:54)	

Protein sequence for CG57051-02.

>CG57051_02	
MSGAPTAGAALMLCAATAVLLSARSGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE	60
RTRSQLSALERLRLSACGSACQGTEGSTDPLAPESRVDPEVLHSLQTQLKAQNSRIQQLF	120
HKVAQQQRHLEKQHLRIQHLQSQFGLLDHKLDHEVAKPARRKRLPEMAQPVDPAHNVSR	180
LHHGGWTVIQRHHGDSVDFNRPWEAYKAGFGDPHGEFWLGLEKVHSIMGDRNSRLAVQLR	240
DWDGNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPVPSGLSVPFSTWDQDHDLRRD	300
KNCAKSLAPSVAQRPDHVPSPLTPAGGWWFGTCSHSNLNGQYFRSIPQQRQKLKKGIFW	360
KTWRGRYYPLQATTMLIQPMAAEAAS 386 (SEQ ID NO:55)	

Figure 23. Nucleotide and Protein Sequences For CG57051-03.

Nucleotide sequence encoding the Angiopoietin-like protein, CG57051-03.

>CG57051-03	
CCCGAGAGTCCCCGAATCCCCCTCCAGGCTACCTAACGAGGATGACGGTGCCTCGAC	60
GGCGGGGCAGCCCTGATGCTCTGCGCCGCACCGCCGTGCTACTGAGCGCTAGGGCGG	120
ACCGTGCAGTCCAAGTCGCCCGCTTGCCTGGGACGAGATGAATGTCCTGGCGCA	180
CGGACTCCTGCAGCTCGGCCAGGGCTGCCGAACACGCCAGCGCACCGCAGTCAGCT	240
GAGGCCGCTGGAGCGCGCTGAGCGCGTGCAGGCTCCGCTGTCAGGAACCGAGGGTC	300
CACCGACCTCCCGTAGCCCTGAGAGCCGGTGGACCTGAGGTCTTCACAGCCTGCA	360
GACACAACCTCAAGGGCTCAGAACAGCAGGATCCAGCAACTCTTCACAAAGGTGGCCAGCA	420
GCAGCGCACCTGGAGAACAGCACCTGCGAATTTCAGCAGTCAGCAAAGGGCTTGGCCT	480
CCTGGACCACAAGCACCTAGACCATGAGGGCCAAGCCTGCCGAAGAAAGAGGCTGCC	540
CGAGATGGCCCAGCCAGTTGACCGGCTCACAAATGTCAGCCGCTGCACCATGGAGGCTG	600
GACAGTAATTTCAGAGGGGCCACGATGGCTCAGTGGACTTCACCGGGCCCTGGGAAGCCTA	660
CAAGGGGGTTTGGGATCCCCACGGCGAGTTCTGGCTGGGCTGGAGAAGGTCCATAG	720
CATCAGGGGGACCGCAACAGCCGCTGCCGTGCAGCTGCCGACTGGGATGACAACGC	780
CGAGTTGCTGCAGTTCTCCGTGCACCTGGGTGGCGAGGACACGCCCTATAGCCTGCAGCT	840
CACTGCACCCGTGGCCGCCACGGTGGCGCACCACCGCTCCACCCAGCGGCCCTCTCCGT	900
ACCCCTCCCCACTTGGGACAGGATCACGACCTCCGCAGGGACAAGAAACTGCGCCAAGAG	960
CCTCTCTGGAGGCTGGTTGGCACCTGCAGCCATTCCACCTCAACGCCAGTACTT	1020
CCGCTCCATCCCACAGCAGGGCAGAAGCTTAAGAAGGAAATCTTCTGGAAGACCTGGCG	1080
GGGCCGCTACTACCCGCTGCAGGCCACCACATGTTGATCCAGCCATGGCAGCAGAGGC	1140
AGCCTCTAG	1150 (SEQ ID NO:56)

Protein sequence for CG57051-03.

>CG57051-03	
MSGAPTAGAALMLCAATAVLLSAQGGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE	60
RTRSQLSALERLILSACGSACQGTEGSTDPLAPESRVDPEVLHSLQTLKAQNSRIQQLF	120
HKVAQQQRHLEKHLRIQHLQSQFGLLDHKILDHEVAKPARRKRLPEMAQPVDPAHNCSR	180
LHHGGWTVIQRHRDGSVDFNRPWEAYKAGFDPHGEFWGLEKVHSITGDRNSRLAVQLR	240
DWDDNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPVPSGLSVPFPTWDQDHDLRRD	300
KNCAKSLSGGWWFGTCSHSNLNGQYFRSIPQQRQKLKKGI FWKTwRGRYYPLQATTMLIQ	360
PMAAEAS	368 (SEQ ID NO:57)